



Acronym	EFID
Full Title	The European Forest Inventory of Disturbances
Partner(s)	RDM Progetti L.t.d., Italy
Grant Theme	Characterization of European forest disturbances
Start Date	June 2024
Duration	12 months
Description	Forests cover more than one-third of Europe and play a key role in the continent's environment, economy, and society. However, global warming is increasing the frequency and magnitude of disturbances, which are threatening the stability of European forests. In this context, monitoring of forest ecosystems has a pivotal role. Remotely sensed data hold great potential, but reliable forest disturbance reference data is needed both to construct performant models to use remote sensing data for mapping forest disturbances in near real-time and to produce statistically rigorous estimates of forest disturbance areas. EFID is constructing a reliable photointerpretation reference dataset of forest disturbance that occurred in the North of Europe in the last three decades and to exploit such dataset to: • support the estimation of forest disturbance area in Europe • explore the advantages of new satellite missions (e.g. Sentinel-2 and PlanetScope) in near real-time forest disturbance mapping. EFID has the ambition to be a part of the ForestWard Observatory, a long-lasting tool to support decision-making. This project is organized into five work packages: • Project coordination (WP1) • Construction of the satellite and aerial imagery database (WP2) • Photointerpretation to construct the forest disturbance reference dataset (WP3) • Comparison of different satellite missions and methods for the near real-time mapping of forest disturbances by using the forest disturbance reference dataset (WP4) • Reliable estimation of forest disturbance areas for the North of Europe (WP5).



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